NORTHERN SAN DIEGO COUNTY

W6NWG

Scope

THE PALOMAR AMATEUR RADIO CLUB, INC.
POST OFFICE BOX 1603
VISTA, CALIFORNIA 92083-0530

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PRESIDENT: Ed Ross, N6GZI, San Diego
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TREA$URER: John Tentor, W6OLQ, San Diego
EDITOR: Ralph Crossman, K6HAV, Vista
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MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is $12 per year with no initiation fee, and includes a subscription to SCOPE - like it or not. The Club's fiscal year starts August 1st. New memberships are pro-rated starting in November. Reenlistments pay the full tab whenever they occur. Family memberships are $12 for the first member and $9.50 for each subsequent family member living at the same address. For the occasional character who wants SCOPE without benefit of club membership, the tab is $2.50 per annum or yearly, whichever comes first. CHANGES OF ADDRESS, CALL SIGN, ETC. Send to P.O. Box 1603, Vista, CA 92083-0530. IT COSTS THE CLUB 25 CENTS TO FIND OUT THAT YOU HAVE MOVED UNLESS you TAKE THE TIME TO TELL US.

THE DEADLINE FOR MATERIAL FOR SCOPE is two weeks prior to the club meeting. Material for inclusion in SCOPE should be mailed to P.O. BOX 73, VISTA, CA 92083. All other correspondence should be directed to P.O. Box 1603, Vista, Ca 92083-0530.

CLUB MEETINGS take place on the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista. The Club's ANNUAL PICNIC is in August. Lucky holders of tickets win prizes at the picnic. Tickets are given for joining and re-joining the Club and for participation in club activities. One ticket for each attendance.

OFFICIAL CLUB BADGES are available from the club Trea$urer. He does require money and also feels it only proper that you provide him with your name and call sign if you want them on your very own badge (just like the big guys have).

TWO REPEATERS, utilizing the club call sign W6NWG, are owned and operated by the Club. One is on 146.130 mHz input and 146.730 mHz output. The other is on an input of 444.425 mHz with an output of 449.425 mHz. The 450 mHz machine is occasionally on tone squelch (PL 3A). They are co-located on the Club's property on Mount Palomar at about 5,600' elevation; and are open repeaters for club members and occasional and transient users.

CLUB POLICY CONCERNING INTERFERENCE ON THE REPEATERS is: 1. Ignore the jammer. To recognize him gives him the attention he seeks. 2. Locate the jammer. All stations hearing interference should listen on the repeater input and attempt to hear and determine the direction from which the interferring signal is coming. Note any peculiarity and the strength of the signal. When active mobile direction finding is under way, the non-recognition policy in 1., above, may be blatantly ignored by club officers or control operators for obvious reasons. DO NOT discuss active DF activities on the air on any frequency.

THE CONTROL OPERATORS FOR W6NWG/R ARE: Guy Rowlett, KB6AI; Ralph Crossman, K6HAV; John Kuivinen, WB6IQS; Bob Heitger, WA6KZN; Phil Schutze, K6ROR.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on W6NWG/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

JULY CLUB MEETING - NEW LOCATION - NEW DAY - PAY ATTENTION, WILLYA!

The July meeting ONLY will be held in Saint Francis Church on West Vista Way in the old church next to the bowling alley, just east of the Melrose and West Vista Way intersection in Weestful Veesta. This meeting only will be held in this new location and ON THE 11TH OF JULY, since our regular meeting date falls on the 4th. So, for this meeting only the place and date have been changed.

THE PROGRAM for the evening will be a great film on the lunar landings.

SHOW AND TELL will feature two portable 2M beams.

Stan, W9FQN, will probably again have avocados available for a donation

to the Club.

The Prize Table will have a Heathkit IM-17 VOM donated by Sam, W6YYV, a digital thermometer kit donated by Calco Computers, a microprocessor Data Book donated by Calco, a water repellent duffle bag, a two-cell flashlight, and a hand-crafted coin necklace donated by Larry, KB6DNR.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those nice low-cal goodies by Susan and Linda Rohrer.

JUNE CLUB MEETING

At the June club meeting, Harry Field, W6LKC, gave us another very informative discussion on rolling your own antennas, including more info on the CCDD antenna; how to feed the Delta Loop; and a set of magic formulae for construction, care and feeding of the Gamma Match.

During Show and Tell, John, WB6IQS, told us about repeaters; Paul, KZ6X, showed us a paper-back-size general coverage receiver, and the new Sony Watchman postage stamp TV.

W9FQN's silent auction and avocados added to the Club's coffers as did the berries donated by Larry, KB6DNR. The coffee by Matt, KA6QFF, and the chocolate chimp cookies by Susan and Linda Rohrer were just dandy.

A grand time was had by all, especially those of us who were winners!

EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly, with malice for Alice.

AT THE JUNE MEETING: The Committee voted to spend up to $400 for prizes for the Club's annual picnic, and for the prize winners to draw to determine which of the ten or so prizes they have won.

Stan, W9FQN, told the Committee that the reinforcing rod is in the hole for the tower base; and that of the membership packages which Barbara, KA6FPS, is mailing to those who request them, 30% are applying for membership in the PARC. Stan also reported that Riverside Communications had been contacted by mail and is no longer interested in becoming our tenant for various reasons. John, WB6IQS, said that he is working to improve the VOX on the repeater to eliminate much of the delay.

PLEASE NOTE THAT THE JULY EXECUTIVE COMMITTEE MEETING WILL TAKE PLACE ON THE 19TH OF JULY INSTEAD OF THE NORMAL DATE. Usual place and cast of characters.

FIELD DAY

Field Day will have taken place by the time this gets to you, but we can't say much about it now since this will go to the printer's just before Field Day. If you didn't come out and operate W6NWG/6, I sure hope you worked us on all bands - we need all of the contacts we can get.

PICNIC PIONIOUE PEEKNEEK PIONIOUE PICNIC

The Club's annual picnic will be held on Sunday, August 12th, in San Dieguito Park, about a mile east of I-5 on Lomas Santa Fe Drive in Lomas Santa Fe. This is the same park as last year, but this year we're back in Area 1 where the pavilion is. It's a better location. The Club will spend up to $400 on prizes for the picnic drawing.

Tickets for the drawing are given for joining or reenlisting in the PARC and for attendance at club events. Tickets may NOT be purchased. The tickets will be handed out at the August club meeting, or will be mailed IF the Club gets a S.A.S.E at the P.O. Box 1603 address. Tickets will also be available for pickup at the picnic, or may be picked up for you by someone with a note. You do not have to be present to win, but your tickets must be put into the hopper by you or your representative - the Club won't do it for you.

Dinner at 1200, and will be a potluck affair. Those whose last names begin with the letters A-G should bring a main dish (meat or casserole); H-P a salad, vegetable plate, deviled eggs, etc; and Q-Z dessert. Non-cooks should stop by the Colonel's or somesuch. The Club will again provide punch, coffee, paper plates, eating hardware and paper cups and napkins. Bring your appetite and enough chow to feed your family and a couple of others.

Emily, WA6ZKC, our Picnic Committee Chairperson again this year, says that we will have Ken, WA6BCC, and his Blue Grass group, like last year. The final PARC Scholarship award will be made, this year to Linda Nguyen of Escondido, and, of course, we'll have all of those great prizes to be handed out. MARK THE DATE!

TOWER FUND

The Fund now stands at $695.25. If you'd like to help, make your check payable to the Palomar Amateur Radio Club, Tower Fund, and send it to the PARC, P.O. Box 1603, Vista, CA 92083-0530. Every little bit helps a bunch. Thanks to the following folks who have contributed to the Tower Fund: WA7AMS, N6CKQ, WD6ENK, N6FMK, KA6GRG, K6HAV, W6HUJ, KA6HZF, N6IE, N6INN, WA6IPD, WB6IQS, N6KI, WA6LUX, K6MXM, KF6ND, WB6QBO, KA6QFF, WA6QQQ, KE6QV, K6ROR, K6$LA, WA6TIJ, W6TZV, KZ6X, KE6XF, and K6YEO. Recent donors are W6HUJ, WA6QBO, and K6$LA.

Material donations to help the Club get the tower up have come from Dennis, N6KI, (wire and hardware); Larry, KB6DNR, (hardware), Bill, K6TQ, (engineering and hardware); and from other sources thanks to the assistance of John, WB6MEI, (reinforcing rod and concrete).

LICENSE EXPIRATIONS

7/84: W6NBR. No others until 1985. If you want to be reminded of your license expiration date, get it to the Gint Computer by calling Phil, K6ROR, at 724-0098, or on the repeater to Phil or Joe, WB6HMY.

BOOKS AND MAGAZINES

The Club, from time to time, receives donated books and magazines to be sold, with the profits going into the club's coffers. At the present, we have 73, CQ, QST, and Ham Radio covering the years from the early 60s to the present. Those who are new to amateur radio might give consideration to buying some of them for their interesting construction projects, including many on antenna construction. These magazines also provide much-needed background information on amateur radio which helps to give historical bits of information to let you better understand what the Big Guys are talking about. Some of these magazines will appear at the Club's silent auctions. Those who would like to buy complete years should contact Stan, W9FQN. Unsold sets are taken to the swap meets.

The club also has a large selection of tubes (ask one of the older hams what they are), including some recent donations from Jim, K6$LA. If you need some to fix your old radio, contact W9FQN.

PRZ SZS

Please plan now to attend our annual picnic. This is a great time for renewing old friendships, making new acquaintances, swapping lies, winning prizes, feeding your faces, listening to Blue Grass music, and awarding our final scholarship, etc, etc. Y'all come August 12. CU there.

de N6GZI

PARC PARTICIPATION IN THE AMATEUR RADIO DISPLAY AT THE DEL MAR FAIR

Thanks to the following club members who manned the Amateur Radio Booth at the Del Mar Fair during the Club's turn for that chore: KB6DEM, KB6DNR, KB6DQR, WD6ENK, WD6FWE, N6GSS (Coordinator), N6GZI, K6HAV, WB6HMY, N6IE, WB6IQS, W6IUG, WB6LEH, W6OLQ, KA0RGQ, and KZ6X. Your support of the Club and of amateur radio is appreciated.

FORESAIL

(The hull you say!)

Yaesu FRG 7000 Radio West modified w/1.9 Collins SSB filter with switch and 4K ceramic AM filter, in mint condx, $375. Write Tom Healy, N6DSX, 416 Bonair St., La Jolla, CA 92037.

Midland 13-505 25W 2M FM xcvr w/15 sets of xtals including many for local repeaters, best offer. Regency BTH-201 2M FM 25W commercial xcvr w/.13-.73 xtals. Make offer. Call Bob, W6NZX, at 758-4701.

Dovetron MPC-1000R RTTY terminal unit, the ultimate. Cost $1,500, sell $795 or make offer. Epson MX-80 printer w/RS 232C interface and Graftrax built in, new condx. Cost $675, sell $345 or offer. Delta ultra-sonic burglar alarm, $45. Call Stan, K7BHI, at 728-2668.

VIC-20, Datasette, and eight games. All for $108, firm. Call Earl, K6MXM, at 743-0860.

Drake 2B HF rx, Heathkit SB-110 6M SSB xcvr w/spkr pwr supply and mike. Call Bill, K6GJD, at 726-2029.

W6ID must give up hamming due to stroke. Heathkit: 6" oscilloscope, $15; tube checker, $10; R.F. sig. gen., $5; signal tracer, $3; condenser checker, $5; SWR meter $5; antenna impedance meter, $4. All are pre-solid state. BC 221 frq. meter w/modulation, $20. Super Pro rx w/speaker and pwr supply, $25. Also have converted BC 348 and Collins MBF, many meters and relays at your prices. Call Vaughn, W6ID, at 728-1438 0600-2000.

Collins S-Line station to a good home. 32S-1, xmtr w/solid state pwr supply and Shure 444 mike, 75S-1 rx. All in mint condx for $375. Call Larry, KB6DNR, at 726-0353.

Swan SWR/watt meter, $35. Call Will, W2FWV, at 436-3277.

MFJ Model 721 SSB/CW active filter, $40. Call Dennis, N6KI, at 271-6079.

Collins dummy load r/e, cost $325, $50. Collins SM-2 mike, xlnt condx, $55. Kenwood TS-130-S xcvr, near new w/original box, $450. Call Allen, N7AMR, at 434-5656.

AEA model BT1 Code Practice Trainer, $40. Call Stan, W6MIO, at 745-7082.

Motorola 120W 136-150.8 mHz base station in indoor rack cabinet. All solid state except for tripler, driver, and final. With spare tubes & all documentation. Has GLB synthesizer for tx/rx freq control. An excellent repeater or base station. $250 or best offer. Help the Club out and Call Pheel, K6ROR, at 724-0098. If the Gint Computer answers you may do better talking to it.

WANTED
(Chloe!)

Yaesu HM-148 microphone or equivalent. Call Will, W2FWV, at 436-3277.

Schematic for Clegg 12V pwr supply model 011. Will be happy to copy your schematic or pay for a copy. Tnx. Russ, W6HZJ, 619-728-8925 or 3909 Reche Rd., Space 108, Fallbrook, 92028.

40' crankup tower. Call Stan, W6MIO, at 745-7082.

ICom IC-22A in working condx and/or other xtal controlled solid state rig. Copy of manual/schematic for Atronics code reader (early model). Drake FS-4 frequency synthesizer. Call Dennis, N6KI, at 271-6079. 2/84

WHEN ENLISTING OR REENLISTING IN THE ARRL, do so via the PARC and the Club will get $2.00 which would otherwise go to keep the pot boiling in Gnuington (CT 06111), that is and it won't cost you a fat farthing more than if you'd just whizzed off and dealt directly with said ARRL. The tab is $25 per year, two years for $49, or three for $72. Make checks payable to the PARC and get them to Trea$urer John at the P.O. Box 1603 address appearing on the masthead of this thing. Ol' John will leap with alacrity and $peed to the bank.

ELECTRONICALLY ORIENTED FLEA MARTS are the ones in Santee at the Santee Drive-In Theater at Highway 67 and Mission Gorge Road at 0700 on the first Saturday of the month; and the TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month, from 0800 to 1100. In June, because of Field Day, the TRW flea mart is on the preceeding Saturday. TRW talk-in frequency is 145.320 mHz simplex. The Orange County Ham-Computer-Electronics Swap Meet takes place starting at 0700 on the 2nd Sunday of the month at Orange Coast College across from the fairgrounds in Costa Mesa. $5 for sellers, free for buyers. Talk-in on 147.090 -600.

SURPLUS GOODIES at HIGHWAY COMPANY, 305 W. Wisconsin Ave., Oceanside. (See ad in this issue.) Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or JUNK need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus IC-751 or KWM-380.

FREE U.S. QSL SERVICE

The US QSL SERVICE is free. Send your QSLs to USA Hams via USQS/KM7Z, PO Box 814, Mulino, OR 97042. Send SASE for return QSLs and info.

SANDARC IS NOT A SAN DIEGO REPEATER ORGANIZATION

SANDARC is the San Diego Amateur Radio Council, an organization of the participating amateur radio clubs of San Diego County. The PARC and other clubs make up the Council - individual amateurs are NOT members.

THE WORLDWIDE 20M BEACON NETWORK

A worldwide beacon network, is in operation on 14.100 mHz. By its use propagation to nearly any part of the world can be checked in just ten minutes. And since four different power levels are used during each transmission, you can determine just how good conditions are and whether or not it's worth a serious attempt with your low-power gear.

Each beacon begins its 1-minute slot with the 20-wpm cw message "QST DE (call) BEACON". It then transmits four 9-second dashes in a power stepping sequence starting at 100W and dropping to 100 mW in 10-db steps for each succeeding dash. (To help identify which level is being sent, the first dash is preceeded by a "dit" indicating "first step", the second dash by "ditdit" and so on. Finally, the 1-minute slot ends with a full-power Morse "SK (call)".

The beacons are intended to operate 24-hours per day, so if you don't hear a beacon, their is probably no propagation. The slot schedule, calls, and locations follow:

Minute of 10-minute cycle	Call	Location
0	4UIUN/B	United Nations, New York City
1	W6WX/B	Stanford University, CA
2	KH6O/B	Honolulu Community College, HI
3	JA2IGY	JARL, Mt. Asama, Japan
4	4X6TU	Tel Aviv University, Israel
5	OH2B	Helsinki Tech. Univ., Finland
6	CT3B	ARRM, Madeira Islands
7	ZS6DN/B	Transvaal, South Africa

8 & 9 are not yet operational

The beacon network was organized and financed by the Northern California DX Foundation. Further information can be found on page 27, June 1983 QST.

Thanks to "W6VIO Calling", the JPL ARC newsletter, Merv MacMedan, N6NO, the author, and to Nash, W6HCD, for passing along the newsletter and pointing out the article.

VOLUNTEER EXAMINERS URGENTLY NEEDED

The Volunteer Examiner Program is off and running (see The ARRL Letter item later in this letter). Prospective Volunteer Examiners (PVEs) are urgently needed. PVEs must hold an Advanced or Extra Class license. If you qualify and can help, please contact Marty, K6NS, at 758-0782 or at any club function and volunteer your services. Marty will get you on the path to becoming a PVE and hopefully a VE. If you're an Advanced or Extra Class licensee, call Marty now.

FROM THE ARRL LETTER

The FCC has accepted SANDARC's proposal to become a Volunteer Examiner Coordinator in the 6th Region. As soon as the FCC adopts Volunteer Examination Cost Recoupment rules (expected to happen in mid-July), the ARRL will sign an agreement with FCC for the ARRL to become a VEC in all 13 districts. If there are no significant delays, ARRL will be coordinating exams given at conventions and ham fests beginning on Labor-Day weekend and all examinations starting Nov. 1.

Amateur Radio Station NG84O will operate at the UCLA Olympic Village during the 1984 Summer Olympics. The station's primary purpose is to send messages home for Olympic participants from countries which permit 3rd party traffic with the U.S. Zimbabwe (Z2) and Hong Kong (VS6) have established temporary 3rd party agreements with the U.S. July 1-Aug. 31. When time permits, commemorative contacts will be given to all callers. Do not call during traffic handling periods.

TOWER CLIMBING ASSISTANCE AVAILABLE

If you need assistance on your tower or pole, call Ed, N6GZI, or Larry, KB6DNR. They are professional climbers and they are available for direct assistance or consultation. Don't become a victim of your tower. Get help. Call Ed or Larry on W6NWG/R or get their phone numbers from one of the control operators on the repeater.

TAHITIAN DX-PEDITION BY W6AM AND OTHERS

Don Wallace, W6AM, is kind enough to tell us that five hams and their ladies will leave for Tahiti July 11 and return July 2. 80-10M on the usual SSB and CW frequencies and RTTY from W6GC/FO0ILE and W6MI equipment. Possible OSCAR 10. Other Ops are K6KH, N6XQ, and W6AM. Thanks, Don.

TWO METER REPEATER NOW VOICE OPERATED RATHER THAN CARRIER OPERATED

Our Repeater Committee Chairman, John, WB6IQS, has modified the 2M machine with a VOX circuit. Further improvements been made to reduce, what was initially too long a start-up delay, causing clipping of the first word or syllable. John has made two trips to the mountain in this effort. The drop-out time has been readjusted to four seconds from two seconds.

The on-site repeater engineer was found a silent key on June 3. He died after several months of duty keeping the repeater warm on the long winter nights. Name: unknown. Survivors: likewise. He was about 5" long, weighed several ounces, had long whiskers and a great appetite for paper towels and the outer insulation of coax. R.I.P.

SICK CALL

Jim, W6HUJ, has been in the hospital for a heart catheterization.

John, WD6AOL, has been in the hospital to have the barnacles scraped off

or some such. He's back home and in operation again now.

Lou Cartwright, K6SQ, a former old-time PARC member is reportedly in the hospital in El Cajon, reason unknown. Lou found our first site for W6NWG/R.

Jim, W6IPP, was back in the VA hospital in La Jolla while they got him up and running again, but he's back home now and in good spirits.

Alan, N7AMR, who has had a broken wrist that refused to knit, reports that it's on the mend at last.

REENLIST NOW!

All PARC memberships expire on 31 July, so make a mad rush for your checkbook and reenlist now rather than snow John, W6OLQ, under at the last minute with all of the reenlistments. Do it now and make John happy.

DOWN THE TOOBE

According to The ARRL Letter, the last call signs issued in the 6th Region as of 6/1/84 are: WA6L, KG6HU, N6KMU, and KB6FPW. If you hear N6PVR or some such call, you'll know you've got a bootlegger.

Welcome to Stan, K7BHI, who has moved into the Bonsall area, and already has a 60' tower up.

Ray, WA6LUX, sends along the info that the Santee Flea Market lease is good until September, 1984, so the previous rumor was just that, rumor.

It's good to hear Jack, W6SMP, up on the repeater. He is summering in Rancho Bernardo.

Alan Cassel, NØAL, is off to Georgia and doubts that he'll be able to hit the repeater from Marietta, but still wants to get SCOPE, but then who doesn't. We'll send it to you, Al, and good luck in the contest.

Good to hear Bob, NC6J, up on the 450 mHz repeater. That makes five or six of us.

Doc, K6RY, says that a neo-conservative is a liberal with two teen-age daughters.

We sure do appreciate all of the work that Stan, W9FQN, has done to prepare for putting our donated tower up on Mount Palomar - and he's done a batch.

Mickey, WA6WQI, of Calco Computers has been very kind to the Club with the donation of lots of goodies for the prize table.

Those of us who helped man the SANDARC Amateur Radio booth at the Del Mar Fair certainly appreciate the fine station provided by Glenn and Tom at Ham Radio Outlet. The nice equipment and the good antennae made operating a pleasure this year. Wouldn't it be great if some of the volunteers manning the booth had some traffic-handling background??? Wouldn't it be great if all hams used the ICAO phonetic alphabet???

Wonder where all the folks were on Field Day who are so concerned about the Club being a "repeater club"? Maybe they'll come out for the picnic.

Sure nice to see Bill Taylor, K6TQ, back as a club member. Bill's one of Vista's old time hams and an Elmer to a whole flock of folks. Presently, Bill is hooked on working through the satellites.

"That's all", she wrote.

Shawn decided to stay with c.w. after one try at phone

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While browsing . . don't forget to see the CW/RITTY set-up using the VIC-20 and the AEA interface. Let us demonstrate this fascinating mode for you.

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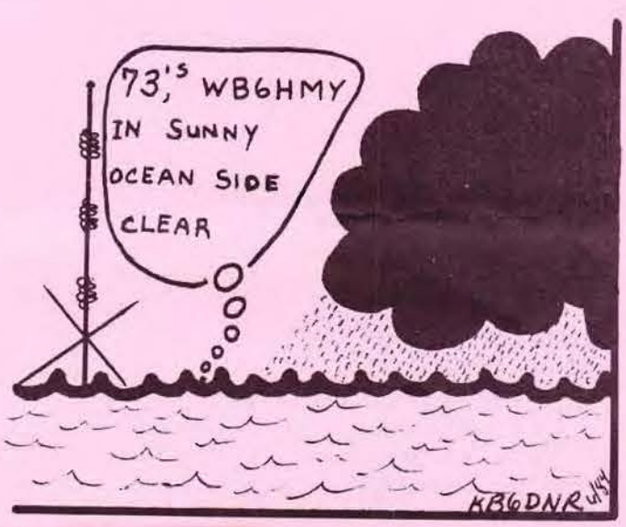

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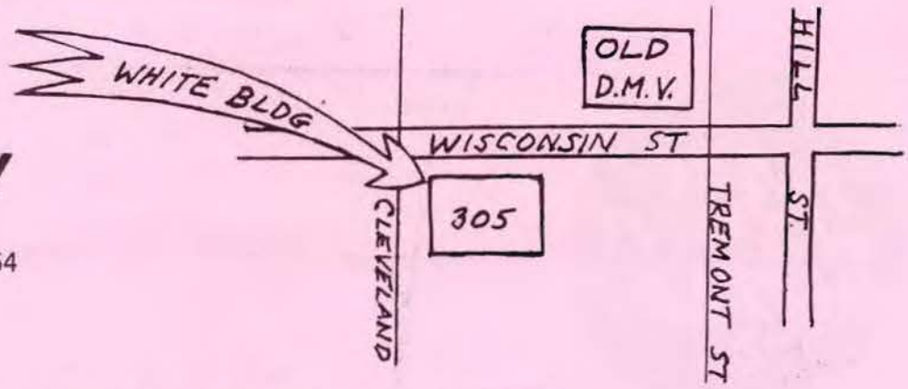

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